

**ELECTRICAL CHARACTERISTICS** ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

PART NUMBER	ZENER VOLTAGE RANGE		TEST CURRENT		REVERSE LEAKAGE CURRENT		DYNAMIC RESISTANCE $f = 1\text{ kHz}$	
	V_Z at I_{ZT1}		I_{ZT1}	I_{ZT2}	I_R at V_R		Z_Z at I_{ZT1}	Z_{ZK} at I_{ZT2}
	V		mA		μA	V	Ω	
	MIN.	MAX.			MAX.		MAX.	MAX.
VLZ2V4A	2.33	2.52	20	1	70	1	100	2000
VLZ2V4B	2.43	2.63	20	1	70	1	100	2000
VLZ2V7A	2.54	2.75	20	1	50	1	100	1000
VLZ2V7B	2.69	2.91	20	1	50	1	100	1000
VLZ3V0A	2.85	3.07	20	1	50	1	80	1000
VLZ3V0B	3.01	3.22	20	1	10	1	80	1000
VLZ3V3A	3.16	3.38	20	1	10	1	70	1000
VLZ3V3B	3.32	3.53	20	1	10	1	70	1000
VLZ3V6A	3.455	3.695	20	1	5	1	60	1000
VLZ3V6B	3.6	3.845	20	1	5	1	60	1000
VLZ3V9A	3.74	4.01	20	1	3	1	50	1000
VLZ3V9B	3.89	4.16	20	1	3	1	50	1000
VLZ4V3A	4.04	4.29	20	1	3	1	40	1000
VLZ4V3B	4.17	4.43	20	1	3	1	40	1000
VLZ4V3C	4.3	4.57	20	1	3	1	40	1000
VLZ4V7A	4.44	4.68	20	1	10	2	25	900
VLZ4V7B	4.55	4.8	20	1	6	2	25	900
VLZ4V7C	4.68	4.93	20	1	3	2	25	900
VLZ5V1A	4.81	5.07	20	1	2	2	20	800
VLZ5V1B	4.94	5.2	20	1	2	2	20	800
VLZ5V1C	5.09	5.37	20	1	2	2	20	800
VLZ5V6A	5.28	5.55	20	1	1	2	13	500
VLZ5V6B	5.45	5.73	20	1	1	2	13	500
VLZ5V6C	5.61	5.91	20	1	1	2	13	500
VLZ6V2A	5.78	6.09	20	1	3	4	10	300
VLZ6V2B	5.96	6.27	20	1	3	4	10	300
VLZ6V2C	6.12	6.44	20	1	3	4	10	300
VLZ6V8A	6.29	6.63	20	0.5	2	4	8	150
VLZ6V8B	6.49	6.83	20	0.5	2	4	8	150
VLZ6V8C	6.66	7.01	20	0.5	2	4	8	150
VLZ7V5A	6.85	7.22	20	0.5	3	6.5	8	120
VLZ7V5B	7.07	7.45	20	0.5	3	6.73	8	120
VLZ7V5C	7.29	7.67	20	0.5	3	6.93	8	120
VLZ8V2A	7.53	7.92	20	0.5	7.5	7.15	8	120
VLZ8V2B	7.78	8.19	20	0.5	7.5	7.39	8	120
VLZ8V2C	8.03	8.45	20	0.5	7.5	7.63	8	120
VLZ9V1A	8.29	8.73	20	0.5	0.04	7.88	8	120
VLZ9V1B	8.57	9.01	20	0.5	0.04	8.14	8	120
VLZ9V1C	8.83	9.3	20	0.5	0.04	8.39	8	120
VLZ10A	9.12	9.59	20	0.5	0.04	8.66	8	120
VLZ10B	9.41	9.9	20	0.5	0.04	8.94	8	120
VLZ10C	9.7	10.2	20	0.5	0.04	9.22	8	120
VLZ10D	9.94	10.44	20	0.5	0.04	9.44	8	120
VLZ11A	10.18	10.71	10	0.5	0.04	9.67	10	120
VLZ11B	10.5	11.05	10	0.5	0.04	9.98	10	120

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	V_Z at I_{ZT1}		I_{ZT1}	I_{ZT2}	I_R at V_R		Z_Z at I_{ZT1}	Z_{ZK} at I_{ZT2}
	V		mA		μA	V	Ω	
	MIN.	MAX.			MAX.		MAX.	MAX.
VLZ11C	10.82	11.38	10	0.5	0.04	10.28	10	120
VLZ12A	11.13	11.71	10	0.5	0.04	10.6	12	110
VLZ12B	11.44	12.03	10	0.5	0.04	10.9	12	110
VLZ12C	11.74	12.35	10	0.5	0.04	11.2	12	110
VLZ13A	12.11	12.75	10	0.5	0.04	11.5	14	110
VLZ13B	12.55	13.21	10	0.5	0.04	11.9	14	110
VLZ13C	12.99	13.66	10	0.5	0.04	12.3	14	110
VLZ15A	13.44	14.13	10	0.5	0.04	12.8	16	110
VLZ15B	13.89	14.62	10	0.5	0.04	13.2	16	110
VLZ15C	14.35	15.09	10	0.5	0.04	13.6	16	110
VLZ16A	14.8	15.57	10	0.5	0.04	14.1	18	150
VLZ16B	15.25	16.04	10	0.5	0.04	14.5	18	150
VLZ16C	15.69	16.51	10	0.5	0.04	14.9	18	150
VLZ18A	16.22	17.06	10	0.5	0.04	15.4	23	150
VLZ18B	16.82	17.7	10	0.5	0.04	16	23	150
VLZ18C	17.42	18.33	10	0.5	0.04	16.5	23	150
VLZ20A	18.02	18.96	10	0.5	0.04	17.1	28	200
VLZ20B	18.63	19.59	10	0.5	0.04	17.7	28	200
VLZ20C	19.23	20.22	10	0.5	0.04	18.3	28	200
VLZ20D	19.72	20.72	10	0.5	0.04	18.7	28	200
VLZ22A	20.15	21.2	5	0.5	0.04	19.1	30	200
VLZ22B	20.64	21.71	5	0.5	0.04	19.6	30	200
VLZ22C	21.08	22.17	5	0.5	0.04	20	30	200
VLZ22D	21.52	22.63	5	0.5	0.04	20.4	30	200
VLZ24A	22.05	23.18	5	0.5	0.04	20.9	35	200
VLZ24B	22.61	23.77	5	0.5	0.04	21.5	35	200
VLZ24C	23.12	24.31	5	0.5	0.04	22	35	200
VLZ24D	23.63	24.85	5	0.5	0.04	22.4	35	200
VLZ27A	24.26	25.52	5	0.5	0.04	23	45	250
VLZ27B	24.97	26.26	5	0.5	0.04	23.7	45	250
VLZ27C	25.63	26.95	5	0.5	0.04	24.3	45	250
VLZ27D	26.29	27.64	5	0.5	0.04	25	45	250
VLZ30A	26.99	28.39	5	0.5	0.04	25.6	55	250
VLZ30B	27.7	29.13	5	0.5	0.04	26.3	55	250
VLZ30C	28.36	29.82	5	0.5	0.04	26.9	55	250
VLZ30D	29.02	30.51	5	0.5	0.04	27.6	55	250
VLZ33A	29.68	31.22	5	0.5	0.04	28.2	65	250
VLZ33B	30.32	31.88	5	0.5	0.04	28.8	65	250
VLZ33C	30.9	32.5	5	0.5	0.04	29.4	65	250
VLZ33D	31.49	33.11	5	0.5	0.04	29.9	65	250
VLZ36A	32.14	33.79	5	0.5	0.04	30.5	75	250
VLZ36B	32.79	34.49	5	0.5	0.04	31.2	75	250
VLZ36C	33.4	35.13	5	0.5	0.04	31.7	75	250
VLZ36D	34.01	35.77	5	0.5	0.04	32.3	75	250
VLZ39A	34.68	36.47	5	0.5	0.04	32.9	85	250

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	V_Z at I_{ZT1}		I_{ZT1}	I_{ZT2}	I_R at V_R		Z_Z at I_{ZT1}	Z_{ZK} at I_{ZT2}
	V		mA		μA	V	Ω	
	MIN.	MAX.			MAX.		MAX.	MAX.
VLZ39B	35.36	37.19	5	0.5	0.04	33.6	85	250
VLZ39C	36	37.85	5	0.5	0.04	34.2	85	250
VLZ39D	36.63	38.52	5	0.5	0.04	34.8	85	250
VLZ39E	37.36	39.29	5	0.5	0.04	35.5	85	250
VLZ39F	38.14	40.11	5	0.5	0.04	36.2	85	250
VLZ39G	38.94	40.8	5	0.5	0.04	37	85	250
VLZ43	40	45	5	-	0.04	38	90	-
VLZ47	44	49	5	-	0.04	41.8	90	-
VLZ51	48	54	5	-	0.04	45.6	100	-
VLZ56	53	60	5	-	0.04	50.4	100	-

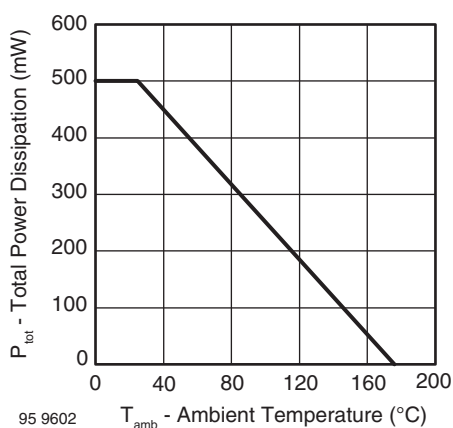
BASIC CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)


Fig. 1 - Total Power Dissipation vs. Ambient Temperature

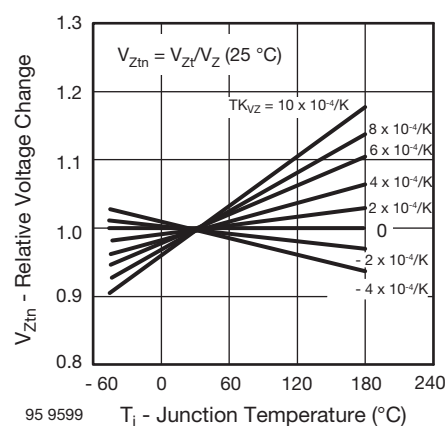
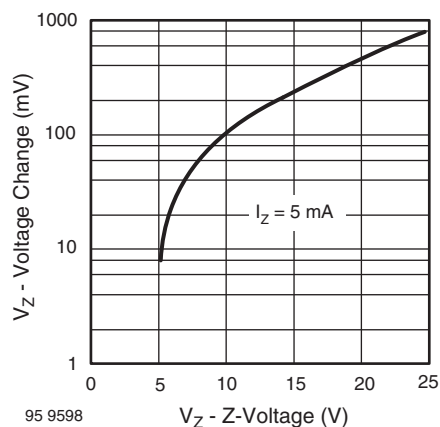
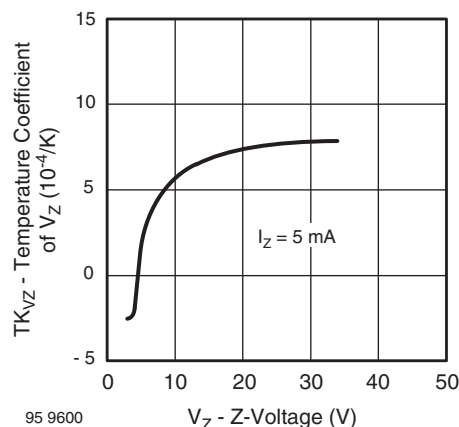


Fig. 3 - Typical Change of Working Voltage vs. Junction Temperature


Fig. 2 - Typical Change of Working Voltage under Operating Conditions at $T_{amb} = 25\text{ }^{\circ}\text{C}$

Fig. 4 - Temperature Coefficient of V_Z vs. Z-Voltage

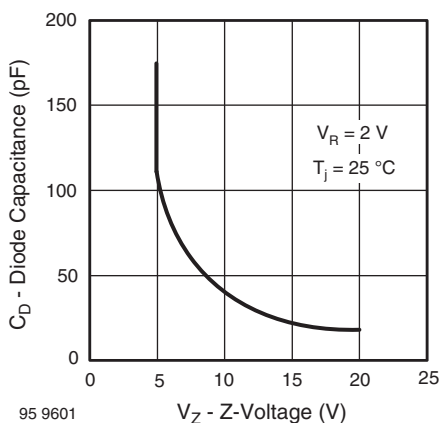


Fig. 5 - Diode Capacitance vs. Z-Voltage

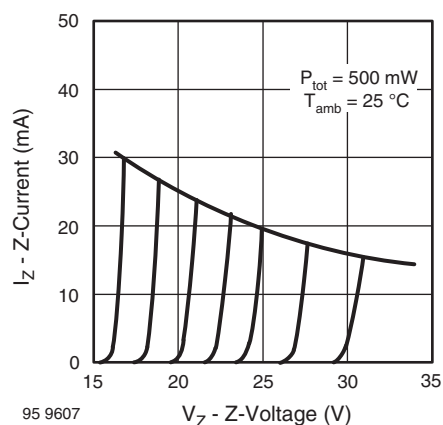


Fig. 8 - Z-Current vs. Z-Voltage

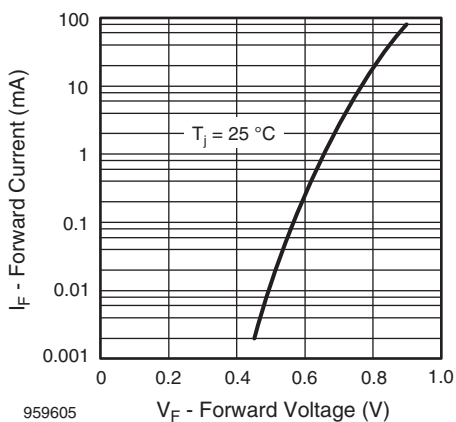


Fig. 6 - Forward Current vs. Forward Voltage

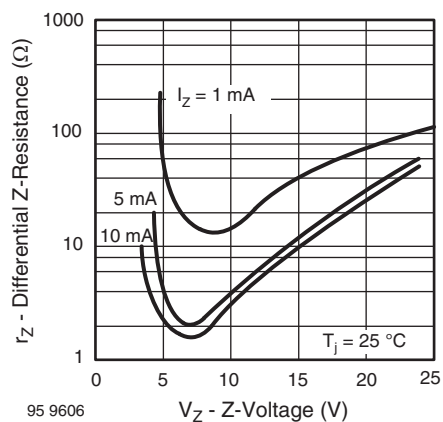


Fig. 9 - Differential Z-Resistance vs. Z-Voltage

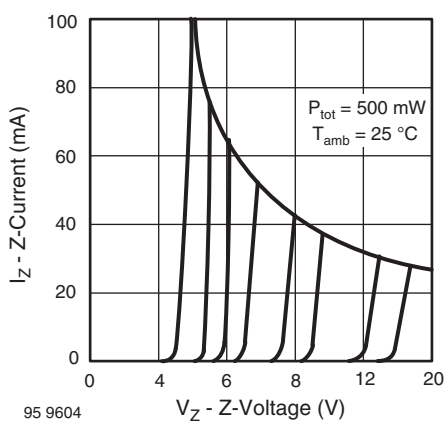


Fig. 7 - Z-Current vs. Z-Voltage

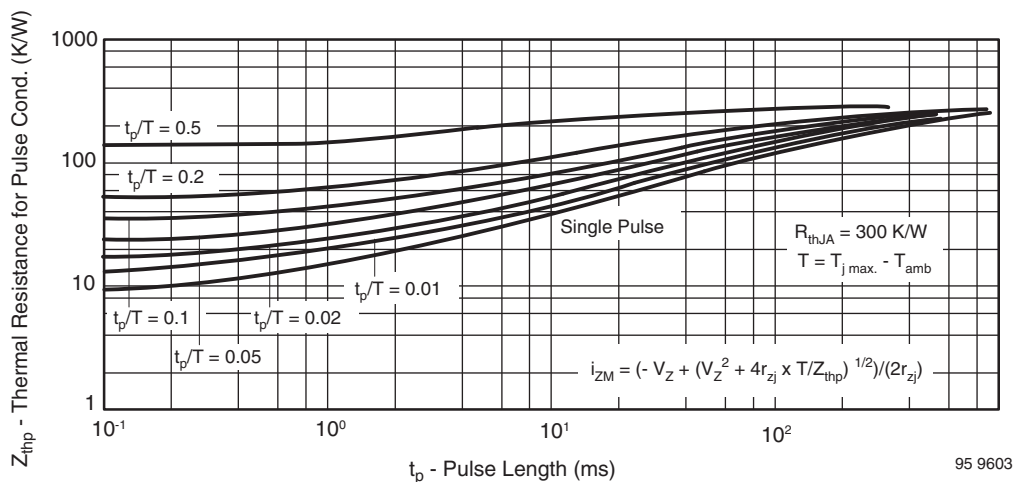
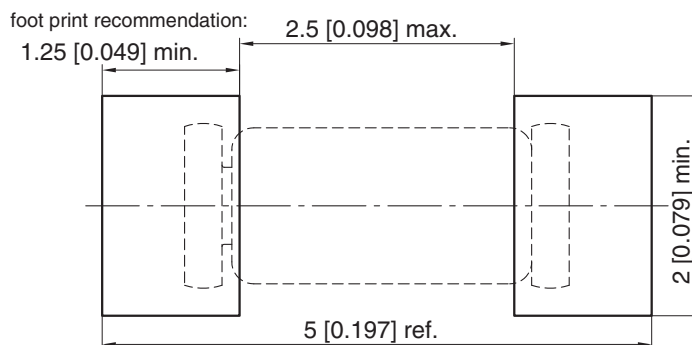
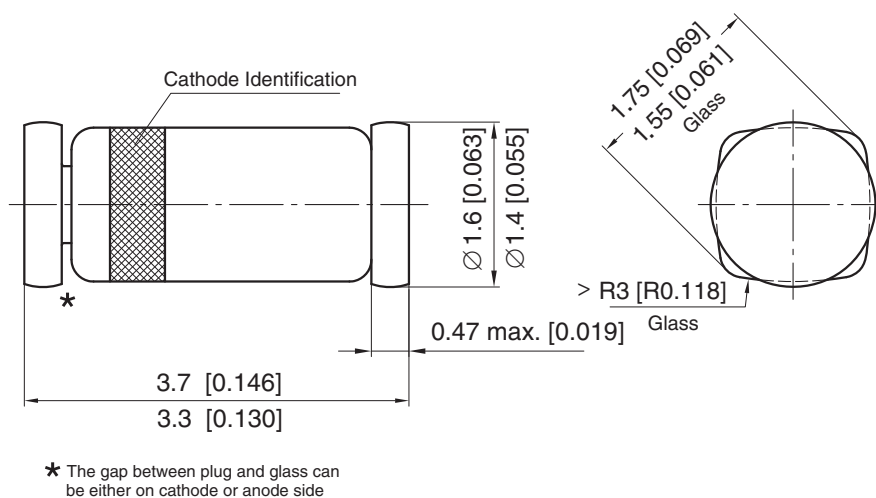


Fig. 10 - Thermal Response

PACKAGE DIMENSIONS in millimeters (inches): **QuadroMELF SOD-80**


20909
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